



## Certificate of Conformity

LOVAG-Certificate No.: IT 18.137

Page 1 of 2

**Apparatus: Low-voltage assembly**

415 V ( $U_n$ ) – 1000 V ( $U_i$ ) – 12 kV ( $U_{imp}$ ) – 50 Hz (f) – 4000 A ( $I_{nA}$ ) – 50 kA ( $I_{cc}$ ) – 50 kA ( $I_{cw}$ ) x 1 s (t) – IP40 – IK08

**Designation Type: XL<sup>3</sup> S 4000 Arrangement 143 DMX3**

**Manufacturer: Legrand SA**

128, Avenue du Marechal du Lattre de Tassigny  
87045 Limoges Cedex - France

**Applicant: Legrand SA**

128, Avenue du Marechal du Lattre de Tassigny  
87045 Limoges Cedex - France

**Verified by: ACAE Laboratory:  
IB01 Varese (Italy)**

This Certificate applies only to the apparatus verified. The responsibility for conformity of any apparatus having the same designation with that verified rests with the manufacturer or responsible vendor.

This certificate has been prepared according to LOVAG (Low Voltage Agreement Group) Objectives and Operating Principles of mutual recognition. The responsible certification body as a member of LOVAG issues a Certificate of Conformity with the above mentioned Standard(s) following the exclusive use of LOVAG Verification instruction wherever applicable.

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The apparatus, constructed in accordance with the description mentioned in the Report listed in this Certificate has been subjected to the series of proving verifications in accordance with **IEC 61439-2 Ed.2.0 (2011-08) and EN 61439-2 (2011-10):**

- 10.2.2 Resistance to corrosion (Severity A)
- 10.2.3.2 Resistance to abnormal heat and fire due to internal electric effects
- 10.2.5 Lifting
- 10.2.6 Mechanical impact
- 10.4 Clearances and creepage distances
- 10.5 Protection against electric shock and integrity of protective circuit
- 10.6 Incorporation of switching devices and components
- 10.7 Internal electric circuits and connections
- 10.8 Terminals for external conductors
- 10.9 Dielectric properties
- 10.10.2.3.5 Temperature rise
- 10.11 Short-circuit withstand strength
- 10.12 Electromagnetic compatibility (EMC)
- 10.13 Mechanical operation

The results are shown in the Report in accordance to LOVAG. The values obtained and the general performance are considered to comply with the above Standard(s) and to justify the characteristics assigned by the manufacturer as stated at pages no. 2

**Responsible Certification Body: ACAE**  
Via Tito Livio, 5 – 24123 – BERGAMO (Italy)



**PRD N°070B**  
Signatory of EA, IAF and ILAC  
Mutual Recognition Agreements

Authorized Signature: Virginio Scarioni

Date: 2018.12.13



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LOVAG-Certificate No.: IT 18.137  
Page 2 of 2

| Circuit  | Main horizontal busbar       | Vertical busbar | Functional Units |      |      |      |
|--|------------------------------|-----------------|------------------|------|------|------|
|  |                              |                 | D1               | D2   | D3   |      |
| Rated operational voltage ( $U_e$ ) V                    | 415                          | 415             | 415              | 415  | 415  |      |
| Rated insulation voltage ( $U_i$ ) V                     | 1000                         | 1000            | 1000             | 1000 | 1000 |      |
| Loading condition 1                                      | Rated current ( $I_{nc}$ ) A | 4000            | 820              | 1380 | 1800 | 820  |
|  | Rated diversity factor       | 1               | 1                | 1    | 1    | 1    |
| Loading condition 2                                      | Rated current ( $I_{nc}$ ) A | 4000            | 1130             | 1265 | 1605 | 1130 |
|  | Rated diversity factor       | 1               | 1                | 1    | 1    | 1    |
| Rated short-time withstand current ( $I_{cw}$ ) kA-(t) s | 50-1                         | 50-1            | 50-1             | -    | -    |      |
| Rated peak withstand current ( $I_{pk}$ ) kA             | 105                          | 105             | 105              | -    | -    |      |
| Rated conditional short-circuit current ( $I_{cc}$ ) kA  | 50                           | 50              | 50               | 50   | 50   |      |

This document includes : Assessment report No. 1554  
Issue date: 2018.11.06  
Assessment report No. 1279  
Issue date: 2018.02.21  
Comparison report No. 1554  
Issue date: 2018.11.21  
Test report No. 1363  
Issue date: 2018.05.28  
Test report No. 1253  
Issue date: 2018.01.05  
Test report No. 1253-1  
Issue date: 2018.01.05  
Test report No. 1357  
Issue date: 2018.03.19  
Test report No. 1485  
Issue date: 2018.07.25  
Test report No. 1489  
Issue date: 2018.10.02



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Authorized Signature: Virginio Scarioni  
Date: 2018.12.13